

**PATENT APPLICATION**  
**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of

Docket No: Q76835

Katsutoshi MORINAKA, et al.

Appln. No.: 10/566,184

Group Art Unit: 1621

Confirmation No.: 5724

Examiner: Kellette Gale

Filed: January 27, 2006

For: STABILIZED (METH)ACRYLOYLOXYALKYL ISOCYANATE, A PROCESS FOR  
STABLIZATION THEREOF AND A PROCESS FOR PREPARATION OF THE SAME

**SECOND REQUEST FOR REFUND**

**MAIL STOP 16**

Director of the U.S. Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Applicant hereby respectfully requests a refund in the amount of \$200.00. This refund is to be credited to Deposit Account No. 19-4880.

Applicants submit that the first request for refund was denied in error on November 27, 2007. An explanation of the error is detailed below.

To more clearly show the reason for the refund to be granted, attached is a copy of the Multiple Dependent Claim Fee Calculation Sheet from the file history in the PTO PAIR system showing that claim 9 was counted as independent by the USPTO. Also attached is a copy of the original claims from the USPTO PAIR file history for the above-identified application clearly showing that claim 9 is dependent on claim 8. Since the PTO erroneously considered claim 9 as

independent rather than dependent, \$200.00 for an additional excess independent claim was erroneously charged. That is, the Patent Application Fee Determination Record (copy attached) from the file history of the above-identified application states that there were five (5) independent claims when the application was filed. This is in error as the application only had four (4) independent claims when the application was filed, because claim 9 is dependent on claim 8. A copy of the Deposit Account Monthly Statement showing the charge to our account is enclosed.

In view of this error, Applicants respectfully request the amount of \$200.00 be refunded to Deposit Account No. 19-4880.

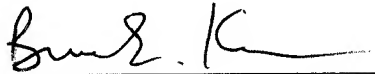
Respectfully submitted,

SUGHRUE MION, PLLC  
Telephone: (202) 293-7060  
Facsimile: (202) 293-7860

WASHINGTON OFFICE

**23373**

CUSTOMER NUMBER

  
Bruce E. Kramer  
Registration No. 33,725

Date: April 1, 2008

**MULTIPLE DEPENDENT CLAIM  
FEE CALCULATION SHEET**  
(FOR USE WITH FORM PTO-875)

SERIAL NO.

FILED DATE

APPLICANT(S)

**CLAIMS**

	AS FILED		AFTER 1 <sup>st</sup> AMENDMENT		AFTER 2 <sup>nd</sup> AMENDMENT	
	IND.	DEP.	IND.	DEP.	IND.	DEP.
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TOTAL IND.	5					
TOTAL DEP.	19					
TOTAL CLAIMS	24					

	AS FILED		AFTER 1 <sup>st</sup> AMENDMENT		AFTER 2 <sup>nd</sup> AMENDMENT	
	IND.	DEP.	IND.	DEP.	IND.	DEP.
51						
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TOTAL IND.						
TOTAL DEP.						
TOTAL CLAIMS						

Charzitta Burt

DEPT. AVAILABLE COPY

# PATENT APPLICATION FEE DETERMINATION RECORD

Effective December 8, 2004

Application or Docket Number

10/566184

## CLAIMS AS FILED - PART I

SMALL ENTITY  
TYPE ☐

OR

OTHER THAN  
SMALL ENTITY

	(Column 1)	(Column 2)
U.S. NATIONAL STAGE FEES		
BASIC FEE	SMALL ENT. = \$ 150	LARGE ENT. = \$ 300
EXAMINATION FEE	Satisfies PCT Article 33(1)-(4) = \$ 50 / \$ 100	All other situations = \$ 100 / \$ 200
SEARCH FEE	U.S. is ISA = \$ 50 / \$ 100 ALL other countries = \$ 200 / \$ 400	All other situations = \$ 250 / \$ 600
FEE FOR EXTRA SPEC. PGS.	minus 100 =	/ 50 =
TOTAL CHARGEABLE CLAIMS	24 minus 20 =	4
INDEPENDENT CLAIMS	5 minus 3 =	2
MULTIPLE DEPENDENT CLAIM PRESENT <input checked="" type="checkbox"/>		

RATE	FEE		RATE	FEE
BASIC FEE		OR	BASIC FEE	300
EXAM. FEE			EXAM. FEE	200
SEARCH FEE			SEARCH FEE	400
X \$ 125 =			X \$ 250 =	—
X \$ 25 =		OR	X \$ 50 =	200
X \$ 100 =		OR	X \$ 200 =	400
+ \$ 180 =		OR	+ \$ 360 =	360
TOTAL		OR	TOTAL	1860

\* If the difference in column 1 is less than zero, enter "0" in column 2

## CLAIMS AS AMENDED - PART II

	(Column 1)	(Column 2)	(Column 3)
AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total	*	Minus	**
Independent	*	Minus	***
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>			

RATE	ADDITIONAL FEE		RATE	ADDITIONAL FEE
X \$ 25 =		OR	X \$ 50 =	
X \$ 100 =		OR	X \$ 200 =	
+ \$ 180 =		OR	+ \$ 360 =	
TOTAL ADDIT. FEE		OR	TOTAL ADDIT. FEE	

	(Column 1)	(Column 2)	(Column 3)
AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total	*	Minus	**
Independent	*	Minus	***
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>			

RATE	ADDITIONAL FEE		RATE	ADDITIONAL FEE
X \$ 25 =		OR	X \$ 50 =	
X \$ 100 =		OR	X \$ 200 =	
+ \$ 180 =		OR	+ \$ 360 =	
TOTAL ADDIT. FEE		OR	TOTAL ADDIT. FEE	

\* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than "20", enter "20".

\*\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than "3", enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

PATENT APPLICATION SERIAL NO. **10/566184**

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE  
FEE RECORD SHEET

BEST AVAILABLE COPY

02/2006 GFREY1 00000030 10566184

FC:1631	300.00	OP
FC:1642	400.00	OP
FC:1633	200.00	OP
FC:1615	200.00	OP
FC:1614	200.00	OP
FC:1616	350.00	OP

07/03/2006 CBURT1 00000009 194880 10566184

01 FC:1614 200.00 DA

PTO-1556  
(5/87)



# UNITED STATES PATENT AND TRADEMARK OFFICE

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www.uspto.gov

## MONTHLY STATEMENT OF DEPOSIT ACCOUNT

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with your check. Make checks payable to "Director of the USPTO."

SUGHRUE MION, PLLC  
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SUITE 800  
WASHINGTON DC 20037

FINA

Account No. 194880
Date 7-31-06
Page 1

PLEASE SEND REMITTANCES TO:  
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Call the Deposit Account Branch at 571-272-6500 for assistance.

DATE POSTED			CONTROL NO.	DESCRIPTION (Serial, Patent, TM, Order)	DOCKET NO.	FEE CODE	CHARGES/ CREDITS	BALANCE
MO.	DAY	YR.						
7	3	06	1	10553704	Q90961	1681	250.00	105474.48
7	3	06	2	10720667	Q78603	1202	50.00	105424.48
7	3	06	6	2870526		6401	300.00	105124.48
7	3	06	16	10549168		9204	-100.00	105224.48
7	3	06	26	→ 10566184	Q76835	1614	→ 200.00	105024.48
7	3	06	26	10515918	Q85031	8021	40.00	104984.48
7	3	06	43	60539999	P76959	8007	20.00	104964.48
7	3	06	65	11446396	Q94874	1081	750.00	104214.48
7	3	06	220	09800773	Q61190	1252	450.00	103764.48
7	3	06	221	10746296	Q78991	1253	1020.00	102744.48
7	3	06	222	10746296	Q78991	1401	500.00	102244.48
7	3	06	239	11476616	A9207	1011	300.00	101944.48
7	3	06	240	11476616	A9207	1111	500.00	101444.48
7	3	06	241	11476616	A9207	1311	200.00	101244.48
7	3	06	372	10182260	Q71022	1501	1400.00	99844.48
7	3	06	373	10182260	Q71022	1504	300.00	99544.48
7	3	06	652	11428101	Q95715	1011	300.00	99244.48
7	3	06	653	11428101	Q95715	1111	500.00	98744.48
7	3	06	654	11428101	Q95715	1311	200.00	98544.48
7	3	06	722	76577925	S8319	7003	100.00	98444.48
7	3	06	754	76605665	S8857	7003	100.00	98344.48
7	3	06	958	10596975	Q95572	1631	300.00	98044.48
7	3	06	959	10596975	Q95572	1642	400.00	97644.48
7	3	06	960	10596975	Q95572	1633	200.00	97444.48
7	3	06	961	10596975	Q95572	1614	200.00	97244.48
7	3	06	1052	78516835	S9203	7003	100.00	97144.48
7	3	06	1790	78921761	S10884	7001	325.00	96819.48
7	3	06	2010	78396183	540000/S8455	7004	150.00	96669.48
7	3	06	2016	78141233	S6799	7003	100.00	96569.48
7	3	06	2021	78388273	540000/S8397	7004	150.00	96419.48
7	3	06	2033	78291332	540000/S8002	7004	150.00	96269.48
7	3	06	2058	76546547	610000/S9234	7004	150.00	96119.48
7	3	06	2219	78921911	S10885	7001	325.00	95794.48
7	3	06	2309	09667779	Q60742	1253	570.00	95224.48
7	3	06	2310	09667779	Q60742	1401	500.00	94724.48
7	3	06	2364	10411133	Q74734	1251	120.00	94604.48
AN AMOUNT SUFFICIENT TO COVER ALL SERVICES REQUESTED MUST ALWAYS BE ON DEPOSIT					OPENING BALANCE	TOTAL CHARGES	TOTAL CREDITS	CLOSING BALANCE

## CLAIMS

1. A (meth)acryloyloxyalkyl isocyanate containing a dissolved acidic gas (excluding hydrogen chloride).

5           2. A (meth)acryloyloxyalkyl isocyanate containing an acidic gas (excluding hydrogen chloride) forcedly dissolved in the (meth)acryloyloxyalkyl isocyanate in an amount sufficient for stabilizing the (meth)acryloyloxyalkyl isocyanate.

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3. The (meth)acryloyloxyalkyl isocyanate according to claim 1 or 2 in which the acidic gas is dissolved in an amount of not less than 20 ppm based on the (meth)acryloyloxyalkyl isocyanate.

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4. The (meth)acryloyloxyalkyl isocyanate according to claim 3 which has a hydrolyzable chlorine content of not more than 30 ppm based on the (meth)acryloyloxyalkyl isocyanate.

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5. The (meth)acryloyloxyalkyl isocyanate according to claim 4 which is prepared by using phosgene.

6. The (meth)acryloyloxyalkyl isocyanate according

to any one of claims 1 to 5 wherein the acidic gas is carbon dioxide.

7. The (meth)acryloyloxyalkyl isocyanate according to any one of claims 1 to 6 wherein the (meth)acryloyloxyalkyl isocyanate is (meth)acryloyloxyethyl isocyanate.

8. A process for stabilizing a (meth)acryloyloxyalkyl isocyanate, which process comprises forcedly dissolving an acidic gas (excluding hydrogen chloride) in the (meth)acryloyloxyalkyl isocyanate.

9. The process for stabilizing a (meth)acryloyloxyalkyl isocyanate according to claim 8 wherein the (meth)acryloyloxyalkyl isocyanate is a high purity (meth)acryloyloxyalkyl isocyanate which is prepared by decreasing the amount of hydrolyzable chlorine with purification.

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10. The process for stabilizing a (meth)acryloyloxyalkyl isocyanate according to claim 9 wherein the (meth)acryloyloxyalkyl isocyanate is prepared by using phosgene.



11. The process for stabilizing a  
(meth)acryloyloxyalkyl isocyanate according to any one of  
claims 8 to 10 wherein the acidic gas is carbon dioxide.

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12. The process for stabilizing a  
(meth)acryloyloxyalkyl isocyanate according to any one of  
claims 8 to 11 wherein the (meth)acryloyloxyalkyl  
isocyanate is (meth)acryloyloxyethyl isocyanate.

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13. A process for preparing a stabilized  
(meth)acryloyloxyalkyl isocyanate , which process  
comprises forcedly dissolving an acidic gas (excluding  
hydrogen chloride) in a (meth)acryloyloxyalkyl isocyanate.

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14. The process for preparing a stabilized  
(meth)acryloyloxyalkyl isocyanate according to claim 13,  
wherein the (meth)acryloyloxyalkyl isocyanate is a high  
purity (meth)acryloyloxyalkyl isocyanate prepared by  
decreasing the amount of hydrolyzable chlorine with  
purification.

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15. The process for preparing a stabilized  
(meth)acryloyloxyalkyl isocyanate according to claim 14,

wherein the (meth)acryloyloxyalkyl isocyanate is prepared by using phosgene.

16. The process for preparing a stabilized  
5 (meth)acryloyloxyalkyl isocyanate, according to any one of claims 13 to 15 wherein the acidic gas is carbon dioxide.

17. The process for preparing a stabilized  
(meth)acryloyloxyalkyl isocyanate, according to any one of  
10 claims 13 to 16 wherein the (meth)acryloyloxyalkyl isocyanate is (meth)acryloyloxyethyl isocyanate.